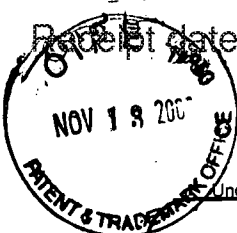


Receipt date: 11/13/2006

10526213 *for GAU: 1735*



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TRANSMITTAL FORM (to be used for all correspondence after initial filing)	Application Number	10/526,213
	Filing Date	11/14/2005
	First Named Inventor	Atsunori Hiratsuka
	Art Unit	1753
	Examiner Name	
Total Number of Pages in This Submission	Attorney Docket Number	SHIMIZU-08894

ENCLOSURES (Check all that apply)		
<input type="checkbox"/> Fee Transmittal Form <input type="checkbox"/> Fee Attached <input type="checkbox"/> Amendment/Reply <input type="checkbox"/> After Final <input type="checkbox"/> Affidavits/declaration(s) <input type="checkbox"/> Extension of Time Request <input type="checkbox"/> Express Abandonment Request <input checked="" type="checkbox"/> Information Disclosure Statement <input type="checkbox"/> Certified Copy of Priority Document(s) <input type="checkbox"/> Reply to Missing Parts/Incomplete Application <input type="checkbox"/> Reply to Missing Parts under 37 CFR 1.52 or 1.53	<input type="checkbox"/> Drawing(s) <input type="checkbox"/> Licensing-related Papers <input type="checkbox"/> Petition <input type="checkbox"/> Petition to Convert to a Provisional Application <input type="checkbox"/> Power of Attorney, Revocation <input type="checkbox"/> Change of Correspondence Address <input type="checkbox"/> Terminal Disclaimer <input type="checkbox"/> Request for Refund <input type="checkbox"/> CD, Number of CD(s) _____ <input type="checkbox"/> Landscape Table on CD <div style="border: 1px solid black; padding: 2px;">Remarks</div>	<input type="checkbox"/> After Allowance Communication to TC <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences <input type="checkbox"/> Appeal Communication to TC (Appeal Notice, Brief, Reply Brief) <input type="checkbox"/> Proprietary Information <input type="checkbox"/> Status Letter <input checked="" type="checkbox"/> Other Enclosure(s) (please identify below): -FORM PTO-1449 and copies of 16 references cited therein -English translations of ISR and IPER

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT			
Firm Name	Medlen & Carroll, LLP		
Signature	<i>Christine A. Lekutis</i>		
Printed name	Christine A. Lekutis		
Date	November 7, 2006	Reg. No.	51,934

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ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /R.K./

PATENT

Attorney Docket No. SHIMIZU-08894

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of: Atsunori Hiratsuka *et al.*

Serial No.: 10/526,213

Group No.: 1753

Filed: 11/14/2005

Examiner:

Entitled: **Methods For Separating Substances**

INFORMATION DISCLOSURE STATEMENT

MS Amendment

Commissioner for Patents

P.O. Box 1450

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CERTIFICATE OF TRANSMISSION UNDER 37 C.F.R. § 1.8(a)(1)(i)(A)

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Dated: November 7, 2006

By: 

Cliff Cannon-Cin

Dear Sir or Madam:

The citations listed below, copies attached, may be material to the examination of the above-identified application, and are therefore submitted in compliance with the duty of disclosure defined in 37 C.F.R. § 1.56 and § 1.97. Also attached for the Examiner's convenience is an English translation of the International Search Report and the International Preliminary Examination Report of the parent International Application No. PCT/JP03/11352.

The Examiner is requested to make these citations of official record in this application:

- U.S. Patent No. 4,680,201 to Hjerten, "Coating for electrophoresis tube," 1987;
- U.S. Patent No. 4,865,706 to Karger *et al.*, "High performance microcapillary gel electrophoresis," 1989;
- U.S. Patent No. 4,865,707 to Karger *et al.*, "Capillary gel electrophoresis columns," 1989;
- U.S. Patent No. 5,074,982 to Novotny *et al.*, "Suppression of electrophoresis with hydrolytically stable coatings," 1991;
- U.S. Patent No. 5,322,608 to Karger *et al.*, Siloxandiol coating for capillary electrophoresis and for general surface modification," 1994;

PATENTAttorney Docket No. **SHIMIZU-08894**

- U.S. Patent No. 5,447,617 to Shieh, "Coated capillary columns and electrophoresis separation methods for their use," 1995;
- International Publication No. WO 91/06851 of Wiktorowicz, "Flow-rate controlled surface charge coating for capillary electrophoresis," 1991;
- International Publication No. WO 93/22665 of Demorest *et al.*, "Capillary electrophoresis molecular weight separation of biomolecules using a polymer containing solution," 1993;
- International Publication No. WO 95/16911 of Madabhushi *et al.*, "Polymers for separation of biomolecules by capillary electrophoresis," 1995;
- International Publication No. WO 03/084682 of Goodwin *et al.*, "Protective coating composition," 2003;
- JP 5-503989 of Wiktorowicz, "Flow-rate controlled surface charge coating for capillary electrophoresis," 1993, in Japanese accompanied by related English publication WO 91/06851;
- JP 7-506432 of Demorest *et al.*, "Capillary electrophoresis molecular weight separation of biomolecules using a polymer-containing solution," 1995, in Japanese accompanied by related English publication WO 93/22665;
- JP 9-504375 of Madabhushi *et al.*, "Polymers for separation of biomolecules by capillary electrophoresis," 1997, in Japanese accompanied by related English publication WO 95/16911;
- JP 2001-041929 of Tajima *et al.*, "Electrophoretic element," 2001, in Japanese accompanied by computerized English translation;
- JP 2002-148236 of Yamakawa *et al.*, "Electrophoretic apparatus," 2002, provided by WIPO;
- JP 2003-065906 of Horiike *et al.*, "Liquid moving device, liquid component analyzer and method for manufacturing them," 2003, in Japanese accompanied by computerized English translation;
- JP 2005-522312 of Goodwin *et al.*, "Protective coating composition," 2005, in Japanese accompanied by related English publication WO 03/084682;
- Burns, "Surface characterization through measurement of electroosmosis at flat plates," J Colloid Interface Sci, 183:249-259, 1996, provided by WIPO;

PATENT

Attorney Docket No. **SHIMIZU-08894**

- Coolidge, "A simple cataphoresis apparatus," J Biol Chem, 127:551-553, 1939;
- Emoto *et al.*, "Coating of surfaces with stabilized reactive micelles from poly(ethylene glycol)-poly(DL-lactic acid) block copolymer," Langmuir, 15:5212-5218, 1999;
- Esashi, "Micro machine," Applied Physics, 60:227-238, 1991, in Japanese with concise English explanation;
- Gilles *et al.*, "Single nucleotide polymorphic discrimination by an electronic dot blot assay on semiconductor microchips," Nat Biotechnol, 17:365-370, 1999;
- Mikkers *et al.*, "High-performance zone electrophoresis," J Chromatography, 169:11-20, 1979; and
- Tsai *et al.*, "Application of plasma-polymerized films for isoelectric focusing of proteins in a capillary electrophoresis chip," Analyst, 128:237-244, 2003.

This Information Disclosure Statement under 37 C.F.R. § 1.56 and § 1.97 is not to be construed as a representation that a search has been made, that additional information material to the examination of this application does not exist, or that any one or more of these citations constitutes prior art.

Dated: November 7, 2006



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415/904-6500

Receipt date: 11/13/2006

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FORM PTO-1449
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Patent and Trademark Office

Attorney Docket No.: SHIMIZU-08894

Serial No.: 10/526,213

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(37 CFR § 1.98(b))

(Attach Several Sheets If Necessary)

Applicant: Atsunori Hiratsuka

Filing or 371(c) Date: 11/14/2005

Group Art Unit: 1753

U.S. PATENT DOCUMENTS

Examiner Initials	Cite No.	Serial / Patent Number	Issue Date	Applicant / Patentee	Class	Subclass	Filing Date
/R.K./	1	4,680,201	07/14/1987	Hjerten	427	230	10/30/1985
↓	2	4,865,706	09/12/1989	Karger et al.	204	182.8	10/21/1986
↓	3	4,865,707	09/12/1989	Karger et al.	204	182.8	01/12/1988
↓	4	5,074,982	12/24/1991	Novotny et al.	204	182.8	10/26/1990
↓	5	5,322,608	06/21/1994	Karger et al.	204	299	12/23/1992
↓	6	5,447,617	09/05/1995	Shieh	204	299	01/25/1994

FOREIGN PATENTS OR PUBLISHED FOREIGN PATENT APPLICATIONS

		Document Number	Publication Date	Country / Patent Office	Class	Subclass	Translation	
							Yes	No
/R.K./	7	WO 91/06851	05/16/1991	PCT				
↓	8	WO 93/22665	11/11/1993	PCT				
↓	9	WO 95/16911	06/22/1995	PCT				
↓	10	WO 2003/084682	10/16/2003	PCT				
↓	11	JP5-503989	06/24/1993	Japan				
↓	12	JP7-506432	07/13/1995	Japan				
↓	13	JP9-504375	04/28/1997	Japan				
↓	14	JP2001-041929	02/16/2001	Japan				
↓	15	JP2002-148236	05/22/2002	Japan				
↓	16	JP2003-065906	03/05/2003	Japan				
↓	17	JP2005-522312	07/28/2005	Japan				

OTHER DOCUMENTS (Including Author, Title, Date, Relevant Pages, Place of Publication)

/R.K./	18	Burns, "Surface characterization through measurement of electroosmosis at flat plates," J Colloid Interface Sci, 183:249-259, 1996, provided by WIPO
↓	19	Coolidge, "A simple cataphoresis apparatus," J Biol Chem, 127:551-553, 1939
↓	20	Emoto <i>et al.</i> , "Coating of surfaces with stabilized reactive micelles from poly(ethylene glycol)-poly(DL-lactic acid) block copolymer," Langmuir, 15:5212-5218, 1999
↓	21	Esashi, "Micro machine," Applied Physics, 60:227-238, 1991, in Japanese with concise English explanation
↓	22	Gilles <i>et al.</i> , "Single nucleotide polymorphic discrimination by an electronic dot blot assay on semiconductor microchips," Nat Biotechnol, 17:365-370, 1999
↓	23	Mikkers <i>et al.</i> , "High-performance zone electrophoresis," J Chromatography, 169:11-20, 1979
↓	24	Tsai <i>et al.</i> , "Application of plasma-polymerized films for isoelectric focusing of proteins in a capillary electrophoresis chip," Analyst, 128:237-244, 2003

Examiner: /Robert Kasten/

Date Considered: 10/07/2009

EXAMINER: Initial citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /R.K./